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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/510,887

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Masakazu Suzuki

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EXAMINER

KAO, CHIH CHENG G

ART UNIT

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No. 10/510,887	Applicant(s) SUZUKI ET AL.	
	Examiner Chih-Cheng Glen Kao	Art Unit 2882	

All participants (applicant, applicant's representative, PTO personnel):

(1) Chih-Cheng Glen Kao. (3) _____.

(2) William Androlia. (4) _____.

Date of Interview: 21 November 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description: _____.

Claim(s) discussed: 1,2 and 7.

Identification of prior art discussed: US 6493415.

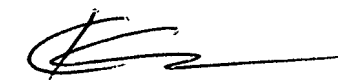
Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Regarding the proposed claim amendments as enclosed herein, after clearing up possible 112, 2nd paragraph, issues, such claims would overcome the art of record. However, such claim amendments would require further consideration and/or search.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.



Examiner's signature, if required

20563/125A 3645 PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MASAKAZU SUZUKI et al.

Serial No: 10/510,887

Filed: October 8, 2004

For: X-RAY COMPUTER
TOMOGRAPHY APPARATUS

Art Unit: 2882

Examiner: Chih Cheng G. Kao

DRAFT AMENDMENT FOR INTERVIEW

Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Dear Sir:

Set forth below are draft suggested amendments I, II, and III to be discussed as part of a telephonic interview with the Examiner.

IN THE CLAIMS:**SUGGESTION I:**

1. An X-ray computer tomography apparatus having an X-ray radiation means comprising an X-ray generator and a two-dimensional X-ray image sensor,
wherein an X-ray beam is radiated on an object to be examined, while said X-ray generator and said two-dimensional X-ray image sensor move for X-ray rotary radiation around the object to be examined, with said object interposed therebetween, so as to hold their mutual facing positional relation, and

wherein a first X-ray tomography is executed for obtaining a curved plane tomography image or a flat plane tomography image, and
wherein a second X-ray tomography is executed for obtaining a computed tomography image of an interested area of said object,

said X-ray computer tomography apparatus comprising:

an object holding means,

an object moving means and

a processing means for controlling at least movement of said object moving means,

wherein the object moving means moves said object holding means to move the object along a panoramic X-ray image forming orbit corresponding to a rotary angle of said X-ray rotary radiation during execution of said first X-ray tomography, with the X-ray rotary center fixed.

2. An X-ray computer tomography apparatus having a rotary arm as an X-ray radiation means comprising an X-ray generator, and two dimensional X-ray image sensor,

wherein an X-ray beam is radiated on an object to be examined, while said X-ray generator and said two-dimensional X-ray image sensor move for X-ray rotary radiation around the object to be examined, with said object interposed therebetween, so as to hold their mutual facing positional relation, and

wherein a first X-ray tomography is executed for obtaining a curved plain tomography image or a flat plane tomography image, and

wherein a second X-ray tomography is executed for obtaining a computed tomography image of an interested area of said object,

said X-ray computer tomography apparatus comprising:

an object holding means,

an object moving means and

a processing means for controlling at least movement of said object moving means,

wherein the object moving means moves said object holding means to move the object along a panoramic X-ray image forming orbit corresponding to a rotary angle of said X-ray rotary radiation during execution of said first X-ray tomography, with the X-ray rotary center fixed.

SUGGESTION II:

1. An X-ray computer tomography apparatus having an X-ray radiation means comprising an X-ray generator and a two-dimensional X-ray image sensor,

wherein an X-ray beam is radiated on an object to be examined, while said X-ray generator and said two-dimensional X-ray image sensor move for X-ray rotary radiation around the object to be examined, with said object interposed therebetween, so as to hold their mutual facing positional relation, and

wherein a first X-ray tomography is executed for obtaining a curved plane tomography image or a flat plane tomography image, and

wherein a second X-ray tomography is executed for obtaining a computed tomography image of an interested area of said object,

said X-ray computer tomography apparatus comprising:

an object holding means,

an object moving means ,

a processing means for controlling at least movement of said object moving means,

wherein the object moving means moves said object holding means to move the object along a panoramic X-ray image forming orbit corresponding to a rotary angle of said X-ray rotary radiation during execution of said first X-ray tomography, with the X-ray rotary center fixed, and

said object moving means also moves the object holding means for said X-ray rotary center to conform to said interested area of said object, to execute said second X-ray tomography, with said X-ray rotary center fixed to said interested area during the second X-ray tomography in the control of the processing means.

2. An X-ray computer tomography apparatus having an X-ray radiation means comprising an X-ray generator and two dimensional X-ray image sensor,

wherein an X-ray beam is radiated on an object to be examined, while said X-ray generator and said two-dimensional X-ray image sensor move for X-ray rotary radiation around the object to be examined, with said object interposed therebetween, so as to hold their mutual facing positional relation, and

wherein a first X-ray tomography is executed for obtaining a curved plain tomography image or a flat plane tomography image, and

wherein a second X-ray tomography is executed for obtaining a computed tomography image of an interested area of said object,

said X-ray computer tomography apparatus comprising;

an object holding means,

an object moving means,

a processing means for controlling at least movement of said object moving means to move said object holding means,

a rotary center position calculation means for calculating a movement data for moving said object moving means,

wherein the object moving means moves said object holding means to move the object along a panoramic X-ray image forming orbit corresponding to a rotary angle of said X-ray rotary radiation during execution of said first X-ray tomography, with the X-ray rotary center fixed, and

said object moving means also moves the object holding means by the movement data from the rotary center position calculation means for said X-ray rotary center to conform to said interested area of said object,

to execute said second X-ray tomography, with said X-ray rotary center fixed to said interested area during the second X-ray tomography in the control of the processing mean.

SUGGESTION III:

7. An X-ray computer tomography apparatus having an X-ray radiation means comprising an X-ray generator and a two-dimensional X-ray image sensor,

wherein an X-ray beam is radiated on an object to be examined, while said X-ray generator and said two-dimensional X-ray image sensor move for X-ray rotary radiation around the object to be examined, with said object interposed therebetween, so as to hold their mutual facing positional relation, and

wherein a first X-ray tomography is executed for obtaining a curved plane tomography image or a flat plane tomography image, and

wherein a second X-ray tomography is executed for obtaining a computed tomography image of an interested area of said object,

said X-ray computer tomography apparatus comprising:

an object holding means,

an object moving means,

a display means on which a first X-ray sectional image of said object taken by said first X-ray tomography is displayed,

an interested area selection means for selecting the interested area to be taken by said second X-ray tomography on said first X-ray sectional image displayed on said display means, and

a processing means for controlling at least movement of said object moving means,


wherein said object moving means moves said object holding means corresponding to a rotary angle of X-ray rotation during execution of said first X-ray tomography, with the X-ray rotary center fixed,

and moves said object holding means or said X-ray radiation means for said X-ray rotary center to conform to said interested area of said object to execute said second X-ray tomography with the X-ray rotary center fixed to said interested area in the control of the processing means.

REMARKS

For the purpose of a telephonic interview, submitted above are three suggested amendments I through III to be made to the claims of the above-identified patent application. In particular, Applicant would like to discuss each one of the suggestions independently of each other starting with the Suggestion I.

Respectfully submitted,

By 
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I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office Fax No. (571) 273-2492 on November 12, 2007.

William L. Androlia

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Date